



UTAH DEPARTMENT OF NATURAL RESOURCES

2007-2008 ANNUAL REPORT &
DIRECTORY OF SERVICES



*“SUCCESS THROUGH
PARTNERSHIPS”*



COVER PHOTO

Secretary Kempthorne signs historic decision for new Colorado River management strategies (Colorado River Interim Guidelines for Lower Basin Shortages and Coordinated Operations for Lakes Powell and Mead) December 13, 2007.

Left to Right: Patrick T. Tyrrell, State Engineer, State of Wyoming; Secretary Kempthorne; Dennis J. Strong, Director, Utah Division of Water Resources; Estevan R. Lopez, Director, Interstate Stream Commission, State of New Mexico.

*Photo Credit: Andy Pernick, US Bureau of Reclamation
Submitted by: Dennis Strong*

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Above: NRCC tour stop at the Huntington coal burning power plant. The Department of Natural Resources partners with federal and state agencies through participation on the Natural Resources Coordinating Council (NRCC). This committee consists of senior managers from the various federal and state natural resource agencies. Total membership includes more than 40 individuals.

“SUCCESS THROUGH PARTNERSHIPS”



"The Department of Natural Resources' theme of 'Partnerships' was never more evident than during the past fiscal year. The department and its divisions faced high-profile challenges including a threatening black bear season, devastating wildfires and a tragic mine collapse. Through those events, I witnessed cooperation and partnerships between DNR and local, state, federal and private organizations. Those efforts are already reaping rewards including safer interactions between humans and wildlife, a quieter wildfire season and better coal mine management. I, and the citizens of Utah, are grateful."

Jon M. Huntsman, Jr. - Governor



EXECUTIVE DIRECTOR'S MESSAGE

"The theme of this year's annual report is "Partnerships." We felt this was significant in light of the many events of the past year, that have found our divisions in partnering situations, beyond those within the department.

For example, the USDA Forest Service and the US Fish and Wildlife Service were critical partners in our efforts to keep recreationists and homeowners safe from black bears. The Bureau of Land Management, Forest Service and various county and municipal agencies were crucial in our battles against wild land fires and reseeding efforts.

The partnerships were never more evident than during one of the most high profile and tragic incidents of the year, the Crandall Canyon Mine collapse. Not only were there federal, state, county and municipal agencies, but there was also significant assistance from schools, local businesses and volunteers.

I am proud of the work that the 1,500 employees of the Department of Natural Resources do day-to-day. I am particularly impressed with the dedication and commitment they show in times of great need, whether we are the lead agency or not. In addition, I am so grateful to the numerous partners we have. Our work would be immensely more difficult without their expertise and willingness to help."

Michael R. Styler – DNR Executive Director



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Slogan: *"Where Life and Landscape Connect"*

Employee Count: 1,500

FY 2009 Operating Budget: \$161 Million

FY 2009 Capital Budget: \$16.1 Million



Left to right: Mike Styler, Tammy Kikuchi, Betty Barela, Robyn Pearson, Darin Bird

EXECUTIVE TEAM

Michael Styler - Executive Director

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Left to right: Greg Mead, Reed Harris, Linda Beus, Dennis Carver, Rory Reynolds, Sid Groll

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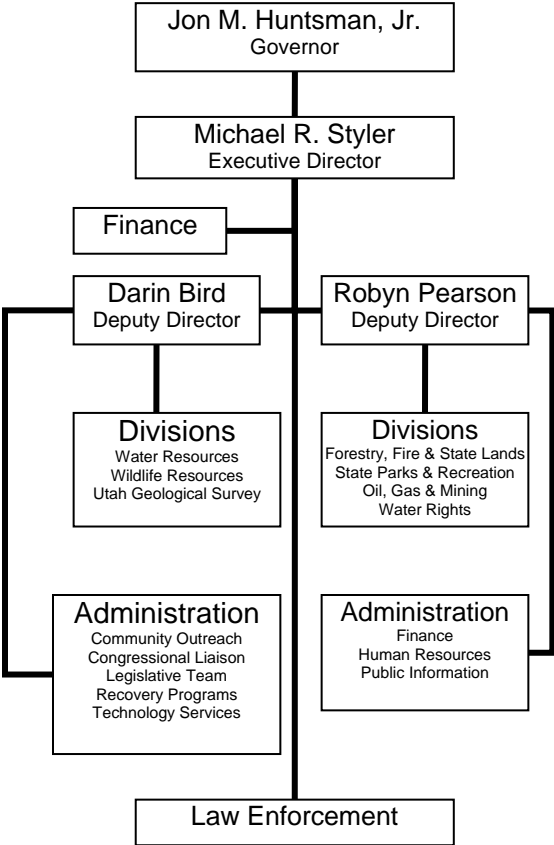
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DEPARTMENT GOALS

Primary Goals:

- Customer Service - Provide quality customer service to the public.
- Building the Bench - Develop an active plan of recruitment to compete for quality employees and in preparation of replacing key employees as they retire.
- Elimination of Silos - Increase organizational efficiency and effectiveness by sharing assets and resources across organizational lines.
- Enhance Revenues and Reduce Costs - Focus on the use of department assets to reduce reliance upon the general fund.

ORGANIZATIONAL CHART



DNR ANNUAL EMPLOYEE AWARD WINNERS



Manager of the
Year Award:

Rick Fridell
Division of Wildlife Resources



Employee of the
Year Award:

Mike Melton
Division of Forestry, Fire & State
Lands



Executive
Director's Award:

All DNR Employees
In recognition of the unique
challenges and tragedies of
2007, Executive Director Styler
awarded all department
employees the Executive
Director's Award.

Community Outreach Award:



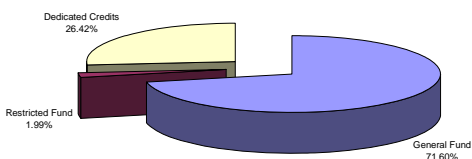
Mike Murray
Division of State Parks & Recreation



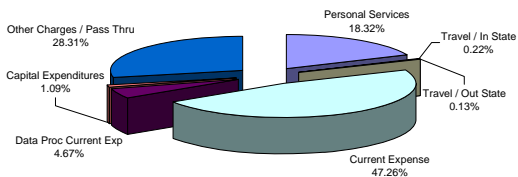
Scott Zeidler
Division of Forestry, Fire & State
Lands

FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE
\$11,167,572



EXPENDITURES
\$11,167,572



2007/2008 HIGHLIGHTS

FY 2008 was full of news-making events. In recognition of that, during the annual awards presentation, Executive Director Mike Styler named every employee of the Department of Natural Resources, winner of the Executive Director's award. He stated that all employees were deserving of the recognition due to the extraordinary efforts made during the very challenging year.

However, there was also myriad of projects and accomplishments that deserve comment and recognition. Again, most of the following were completed with the assistance and support of our invaluable partners.

Wildlife and Endangered Species Mitigation Fund

- Purchased Little Hole which allowed an expanded walk-in access program
- Rebuilt two fish hatcheries, creating a total of nine production hatcheries
- Eighth successful year of precluding the listing of any new endangered species through sensitive species management
- Stocked more than 60,000 June sucker fish

Watershed

- 350,000+ acres of wild fire damaged land rehabilitated
- 120,000 additional watershed acres restored
- Legislative appropriation of \$2.5 million, leveraged by partners to a total of \$10.4 million

Utah Lake

- Utah Lake Commission established with a focus on protection, development and increased public use of the lake
- Master plan for the removal of 6 million pounds of carp over six years developed

Quagga mussels

- \$1.1 from supplemental and \$1.4 from the general fund appropriated to hire 47 aquatic nuisance species personnel, purchase 26 decontamination units and develop a ramp education program
- 42 Utah waters being closely monitored
- No confirmed infestation reported

Price Regional Center

- Opened in November 2007, on budget and on time
- Consolidates regional offices of Wildlife Resources, Oil, Gas & Mining, Water Rights and Forestry, Fire & State Lands
- First, of an anticipated three regional centers
- Increased public convenience and accessibility
- Built through cooperative effort with Carbon County and the Community Impact Board

Mining and natural resource development

- All-time high in natural gas production
- Oil production highest since 1994
- First epermit received
- Rising energy prices bolstered activity in nuclear power, tar sands and oil shale
- Efforts to educate students and the general public about energy were expanded

Forestry and fire

- Assisted 50 communities in their efforts to receive the Tree City USA designation
- Developed 24 forest stewardship plans that cover 90,000+ acres
- As a result of HB 146, 30 Community Wildland Fire Protection Plans were completed and 176 communities-at-risk developed fuel mitigation projects
- Management agreement signed for the Bear River Migratory Bird Refuge
- Fire Task Force established to review current methods of financing fire suppression on state and unincorporated private lands

Earth Sciences

- Governor's Geologic Hazards Working Group submitted its recommendations to the Governor on improving land-use regulation

Water

- Signed the final agreement on the Seven Colorado Basin States Coordinated Operations of Lake Powell and Lake Mead and on the Shortage Guidelines
- Continued engineering and environmental studies for the Lake Powell Pipeline



Utah Division of Forestry, Fire & State Lands

MISSION STATEMENT

"Division of Forestry, Fire & State Lands manages, sustains and strengthens Utah's forests, rangelands, sovereign lands and watersheds for its citizens and visitors."



Above: State Community Forester Meridith Perkins, Lt. Governor Gary Herbert, Salt Lake County Mayor Peter Coroon and State Forester Dick Buehler join Smokey Bear and Arbor Day Poster Contest winners in planting a tree on the grounds of the Utah State Capitol during the 2007 Arbor Day Celebration.

Utah Division of Forestry, Fire & State Lands

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Left to Right: JoLynn Campbell, Kevin Wells, Roger Lewis, Jason Curry, Dick Buehler

EXECUTIVE TEAM

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DIVISION DIRECTOR'S MESSAGE

"There have been many changes in Utah's wildlands within the last 40 years. The

long-standing philosophy on fire prevention and suppression has helped contribute to an over-abundance of fuel for wildland fires. Building in forested and wildland areas has resulted in a massive urban-interface situation. Forest health has become a significant problem resulting in thousands of acres of dead and dying trees. These factors along with the prolific occurrence of invasive species such as cheatgrass have resulted in more and larger wild fires and ecological impacts. The result is greater threat to our forest, range and watershed lands and extreme costs for fire protection, mitigation and rehabilitation. Our forests and natural areas look much different than they did 40 years ago. The good news is that efforts have also increased significantly to address these critical issues. The Division of Forestry, Fire & State Lands and other land management agencies are applying innovative strategies to meet the challenges of the future."



Dick Buehler – State Forester/Director

FORESTRY, FIRE & STATE LANDS ADVISORY COUNCIL

Tom Tripp

Box Elder, Salt Lake, Davis,
Weber and Tooele counties

Genevieve Atwood

Box Elder, Salt Lake, Davis, Weber and Tooele counties

Corey Milne

Box Elder, Salt Lake, Davis,
Weber and Tooele counties

D. Robert Carter

Utah County

Vacant

State-at-large

Stephen Boyden

Box Elder, Salt Lake, Davis,
Weber and Tooele counties

Frederick Baker, Jr.

Cache County

Dwight Bunnell

State-at-large

J. Kent Taylor

State-at-large

Al Trout

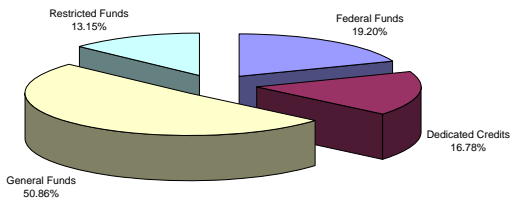
State-at-large

Norman Weston

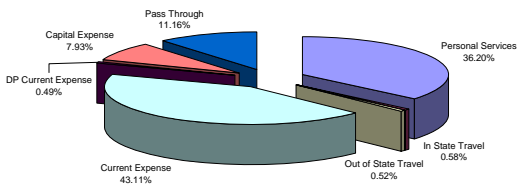
Rich County

FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE \$26,573,091



EXPENDITURES \$26,573,091



Above: Dick Buehler stands with the Governor and representatives from the USDA Forest Service, Bureau of Indian Affairs, National Park Service, Utah State Fire Marshall's Office, Division of Forestry, Fire & State Lands, Utah Department of Public Safety and Bureau of Land Management to address the media about wildfire danger.

2007/2008 HIGHLIGHTS

- The 2008 fire season has been a welcome contrast to the last several fire seasons. Ample snow pack and the amount and timing of spring precipitation kept fuel moistures higher and resulted in a less bountiful crop of cheatgrass. This, coupled with fewer dry thunderstorms resulted in a slower than average fire season.

- 561 fires for 44,993 acres burned so far this season. This includes all jurisdictions.

- The state has spent approximately \$2 million so far on fire suppression this season.



Above: DNR Executive Mike Styler and State BLM Director Selma Sierra join Millard County representatives on a tour of rehabilitation efforts at the site of the Milford Flat Fire.

- The division has formed a task force to examine the way fire suppression is paid for and how incorporated cities fit into the program. The task force is headed by Senator Dennis Stowell.
- The division granted approximately \$1.3 million to Utah fire departments in 2008 for training, personal protective equipment and suppression equipment.
- The division worked with communities at risk to complete 13 community wildfire protection plans, 3,350 acres of hazardous fuels reduction projects and completed 15 of the approximately 75 ongoing projects. The division was awarded \$863,000 in federal funds for 20 additional projects.
- The division re-worked "Living with Fire" educational materials to include the latest information and science available. We worked with our interagency partners to produce a new magazine, tri-fold pamphlet and interactive DVD.
- Efforts to prevent additional Douglas-fir beetle induced mortality continued for the fourth year at Sundance.
- MCH-(repellent pheromone) treatments were completed over approximately 150 acres. This continuing project is a cooperative effort between the FFSL, Sundance, BYU Aspen Grove Family Camp, USDA Forest Service FHP and many private landowners.

- In two separate spray projects, the division worked with approximately 300 landowners within seven homeowner associations. These projects were focused along the north slope of the Uinta Mountains and in Weber Canyon. Approximately 13,500 trees were sprayed to prevent Mountain Pine Beetle attack.



Above: A homeowner in a Uintas subdivision looks on as the trees near his home are treated for pine beetle infestation. The treatment program is administered by the Division using funding from the U.S. Forest Service.

- Utah's Forest Legacy Program successfully completed three conservation easements this year, the 561-acre Aspen Grove easement above Zion National Park, the 1,022 acre Three Forks Ranch easement in Summit County and the first 2,106 acres of the G&E Ranch easement in Summit County adjacent to Chalk Creek. These projects were possible because of numerous partners including the USDA Forest Service, The Nature Conservancy, The Trust for Public Lands, Utah Quality Growth Commission - LeRay McAllister Fund, Utah Department of Natural Resources - Endangered Species Mitigation Fund, and the Eastern Summit County Agricultural Preservation/Open Space Committee.
- The division distributed more than \$74,800 (\$50,000 from newly allocated state funds) in grants to Utah communities for urban forestry projects. Communities matched those funds with more than \$223,000 of cash or in-kind services. Meanwhile, 50 Utah communities were recognized as a Tree City USA.
- Lt. Governor Gary Herbert helped the division celebrate Arbor Day at the State Capitol and present awards to the seven elementary school winners (K-6 graders) of the Utah Arbor Day Poster Contest. This year more than 35,500 students participated in this environmental education outreach.
- The division hired a new Community Forester to assist with the growing Urban and Community Forestry needs in southern Utah.
- The Utah Lake Commission has hired a consultant to begin the process of creating and implementing a master plan for the Utah Lake Planning Unit, which includes the bed of Utah Lake and the surrounding uplands. The first round of public open houses has occurred with good interest, attendance and comment. The planning effort involves the Utah Lake Commission, Utah Lake Tech Team, its subcommittees and a steering committee as well as opportunities for the public to participate.

- A land management agreement was signed between the US Fish and Wildlife Service and the division for managing lands within the Bear River Migratory Bird Refuge, which includes thousands of acres of sovereign lands. This critical first step marks the beginning of identifying the ownership and legal property interests and providing for the public trust interests within the refuge. The next step is the land appraisal, which is nearly completed.



- Revenues from sovereign land use generated more than \$6.5 million in rentals, bonus bids, royalties, and other fees, with the vast majority of those revenues coming from mineral royalties of Great Salt Lake.
- The division has hired a consultant to begin the planning process for the sovereign lands at Bear Lake. A planning team has been assembled representing residents, businesses, agencies and elected leaders and has begun the process of developing a comprehensive management plan for the Utah side of Bear Lake. A round of public meetings has occurred with substantial and sustenative interest in the management opportunities at Bear Lake.
- The division has negotiated through a land purchase agreement, acquisition of 1.8 acres land within the Galena property in southern Salt Lake County. This acreage was a vestigial inholding within the 250 acres reserved by the legislature and solidifies the conservation easements reserved on the adjacent state-owned property.



Above: Cedar City BLM Fuels Crew and State Fuels Crew with assistance from FFSL Engines work together to trim brush on an access road from Cedar Highlands Subdivision. This work will aid in reducing risk to residents and firefighters in the event of a wildland fire or other emergency.

SERVICES AND FUNCTIONS

Sovereign Lands

Administers private, public and commercial uses of state owned lakebed and riverbed lands in accordance with public trust doctrine.

Forest Stewardship/Agro Forestry

Assists private landholders in managing resources. Services include developing management plans along with timber marking, windbreaks, water quality, wildlife habitat improvement and financial assistance to implement resource management plans.

Urban and Community Forestry

Urban foresters provide technical and financial assistance and promote the benefits of trees in our cities and towns.

Wildland Fire Protection

Provides wildland fire prevention and protection on Utah's unincorporated private lands. Includes wildland fire suppression training and fire equipment grants to community and volunteer fire departments.

Lone Peak Conservation Center

Provides trained crews to fight wildland fires, complete natural resource projects and work in the state conservation nursery. The center produces 1 million seedlings each year for Utah's conservation needs.



Above: Fire Investigators from the division, USDA Forest Service, Bureau of Land Management and the Utah State Fire Marshall's Office examine burn patterns on a grass fire as part of a wildfire investigation class during the Annual Wildland Fire School.

REGIONAL OFFICES

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Above: The division's new structure protection trailer staged to assist the USDA Forest Service on the Little Bald Mountain Fire.



Utah Division of Oil, Gas & Mining

MISSION STATEMENT

"Division of Oil, Gas & Mining regulates and ensures industry compliance and site restoration while facilitating oil, gas and mining activities."



*Above: Louis Amodt, abandoned mine reclamation program engineer, examines collapsed mine opening near Park City that drained nearby pond and stream.
Photographer: Tony Gallegos*

Utah Division of Oil, Gas & Mining

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Left to Right: Julie Ann Carter, Steve Schneider, Dana Dean, Gil Hunt, Paula Dupin-Zahn, John Baza, Jim Springer

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DIVISION DIRECTOR'S MESSAGE

"Partnerships form an integral part of our responsibilities at the Division of Oil, Gas and Mining. With our federal partners, the Bureau of Land Management, USDA Forest Service and Office

of Surface Mining, we have developed an effective collaborative approach to managing natural resource issues. The same is true of our partnerships with other state agencies, as well as local governments, in issues ranging from water and air quality to abandoned mine reclamation. And it is certainly true of our relationships with the industries involved in the extraction of natural resources that are essential to our modern society. It truly is a partnership that allows us to perform our mission of fostering development while protecting the public and preserving the environment."



John R. Baza – Director

BOARD OF OIL, GAS & MINING

Douglas E. Johnson, Chair
Mining, Spring City

Kent R. Peterson, Vice-Chair
Mineral and Royalty Interests, Ferron

Robert J. Bayer
Mining, Salt Lake City

Jake Y. Harouny
Oil and Gas, Salt Lake City

Ruland R. Gill
Oil and Gas, Salt Lake City

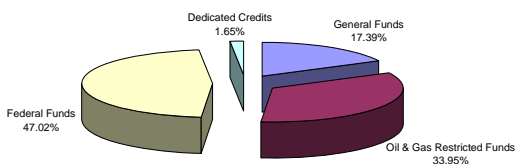
Samuel C. Quigley
Geology, Price

Jean Semborski
Ecology and Environment, Price

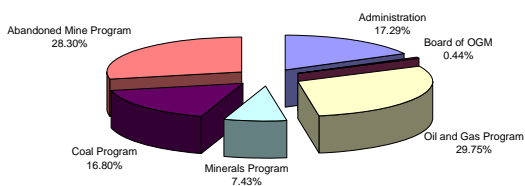
Julie Ann Carter, Board Secretary
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FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE \$9,425,325



EXPENDITURES \$9,425,325



2007/2008 HIGHLIGHTS

Utah Mine Safety Commission

- Following the tragedy at Crandall Canyon in August 2007 that claimed the lives of six miners and three rescue workers Governor Huntsman formed the Utah



Above: Division staff members provided administrative and logistical support to the Utah Mine Safety Commission created after the disaster at Crandall Canyon.

Mine Safety Commission to review the role of the State of Utah in mine safety, accident prevention and response, and to make recommendations regarding the state's role in these areas. Although the division has no role in underground mine worker safety, staff support was provided to the Utah Mine Safety Commission. Division Director John Baza served as Executive Secretary to the commission and several other staff members provided logistical, legal and public affairs support. The commission delivered its final report to the Governor in January 2008.



Above: Wild horses alongside Uintah Basin oil rig.

Oil and Gas

- Although the number of Applications to Drill declined during the fiscal year, oil and gas development remained active as evidenced by the number of wells drilled. Staff processed 1,272 drilling applications in FY08 compared to 1,809 the previous year, yet operators actually commenced drilling 1,086 wells in FY08 compared to 1,083 the previous fiscal year. As a result, Utah saw its greatest oil production in more than a decade. More than 19.5 million barrels of oil were produced in 2007, 1.7 million barrels more than the prior year and nearly equaling production in 1997. Meanwhile, natural gas production set an all-time record of 385 billion cubic feet

surpassing last year's record by nearly 30 billion cubic feet. Production of coalbed methane continued its downward trend with 73.6 billion cubic feet produced in 2007 compared to 76.7 billion cubic feet in 2006. Field inspectors conducted nearly 7,000 inspections in 2007, a figure that has doubled since 2004, and oversaw more than 7,200 producing oil and gas wells.

- The division partnered with the Utah Geological Survey in their Snake Valley Ground Water Monitoring Project by providing two old orphaned wells for their use. The UGS gained two valuable large diameter wells that would have been very expensive to drill and the division saved significant funds that did not have to be expended to plug and abandon two wells in a remote location.
- The Oil and Gas Program introduced a web-based permitting system called "ePermit" that allows oil and gas operators to electronically submit Applications for Permit to Drill. The new system is saving both operators and the division valuable time and resources.



Above: Oil and Gas Program staff and other state agency representatives, conducted an on-site meeting with company officials seeking permits to drill in Great Salt Lake.

Coal Program

- Coal Program staff oversaw 35 permitted coal sites: 12 active mines, three active processing plants, seven reclaimed mines, five mines and two loadouts in temporary cessation and six forfeiture sites.
- Staff processed 61 amendments of which 28 were approved, renewed three permits, conducted 10 midterm reviews, processed four exploration plans and conducted 335 inspections and technical visits issuing 17 violations, and began processing of two new permit applications.



Above: Applications to Drill dropped a bit during the fiscal year but production of natural gas and crude oil set records. March 2008 natural gas production was an all-time record for the state.

Coal Program Audit

- The Office of the Legislative Auditor General completed a performance audit of the division's coal program in late 2007. The audit identified process improvements that when implemented will more effectively and efficiently serve the interests of Utah's citizens. Those improvements are expected to be complete before the end of the year.

Minerals

- Minerals Regulatory Program staff currently oversees 683 mineral mine sites, have conducted 197 field inspections and technical visits and concluded 24 enforcement actions. Energy demands continue to fuel interest in uranium, tar sands and oil shale. Staff processed 35 uranium exploration notices and 14 new tar sands and oil shale notices. Another 540 permitting actions were completed. The program administers 609 reclamation sureties.

Abandoned Mine Reclamation

- The legacy of Utah's mining heritage is an estimated 17,000 abandoned mines, many of which pose a significant public safety hazard. The Abandoned Mine Reclamation Program seeks to identify those that pose the greatest risks and close them to intruders. In FY-08, 225 closures were completed in the Star District of Beaver County, 157 closures at Gold Hill, and six in Serviceberry, all in Tooele County. Engineers also repaired nine vandalized closures at Jacob City in Tooele County and eight openings at Stateline in Iron County. The program continues to educate Utahns about the dangers of abandoned mines by distributing workbooks and DVDs with the message to "Stay Out and Stay Alive!"



Above: Increasing demand and high prices continued to spur oil and gas production in Utah. Field workers are expected to remain busy for the foreseeable future.

Board of Oil, Gas and Mining

The Board of Oil, Gas and Mining recognized five companies for their willingness to exceed regulatory requirements in protecting the environment while developing natural resources. Presented with 2008 Earth Day Awards were Anadarko Petroleum Corporation; Canyon Fuel Company, LLC; Dennison Mines (USA) Incorporated; Intrepid Potash; and Questar Pipeline Company.

SERVICES AND FUNCTIONS

Oil and Gas Program

Permits, inspects and monitors oil and gas wells throughout the state. Also, collects, processes, audits and maintains information on ownership, production, disposition and status of oil and gas exploration and production wells and facilities.

Coal and Mineral Permitting

Issues permits to coal and mineral mining operations to ensure their compliance with surface environmental laws and regulations.

Injection Wells and Disposal Facilities

Permits and inspects injection and disposal wells and surface water disposal pits. Water is forced into injection wells to aid recovery of additional oil assets. Disposal wells are usually depleted wells and used to store unusable water underground. The division enforces regulations concerning disposal of produced water and wastes from oil and gas exploration and production.

Appeals

Provides first level of administrative appeal to public on minerals, coal and oil and gas projects when there are objections.

Abandoned Mine Reclamation

Protects public health, safety and environment from unpermitted abandoned mine problems. Provides information to schools on hazards of abandoned mines.

Earth Day Awards

Honors industry for reclamation work and innovations in environmental technology that go beyond what is required.

REGIONAL OFFICES

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Utah Division of State Parks & Recreation

MISSION STATEMENT

"Division of State Parks & Recreation preserves and provides natural, cultural and recreational resources for enjoyment, education and inspiration."



Above: This Nature Walkway at Steinaker State Park was made possible by the Scenic Byway Committee, USDA Forest Service, Bureau of Land Management, Uintah County, Division of Wildlife Resources, Utah State Parks and a division of Simplot. Photographer: Mike Murray

Utah Division of State Parks & Recreation

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Left to right: Dodie Roberts, Deena Loyola, Wendy Griffith, Mark Forbes, Mary Tullius, Bruce Hamilton

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Wendy Griffith – Administrative Secretary

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DIVISION DIRECTOR'S MESSAGE

"Our partnerships with visitors, elected officials, private businesses, non-profit entities and local, state and federal agencies are vital to the success and future of Utah's state parks. These partnerships help build new facilities, support activities and events, and promote tourism within the communities surrounding state parks."



Mary Tullius - Director



*Left to right: Lois Bulloch, Marty Ott, Scott Parson (Chair), Bill Bleak, Irene Hansen, Joseph Hull, Karl Bentley (Vice Chair)
Not shown: Glenn Greenhalgh, Eli Anderson*

BOARD OF STATE PARKS

Scott Parson, Chair
state-at-large

Karl Bentley, Vice-Chair
Emery, Carbon, Grand and San Juan counties

Eli Anderson
Box Elder, Cache and Rich counties

Bill Bleak
Salt Lake, Tooele and Summit counties

Lois Bulloch
Beaver, Iron and Washington counties

Glenn Greenhalgh
Utah, Juab, Wasatch and Millard counties

Irene Hansen
Uintah, Daggett and Duchesne counties

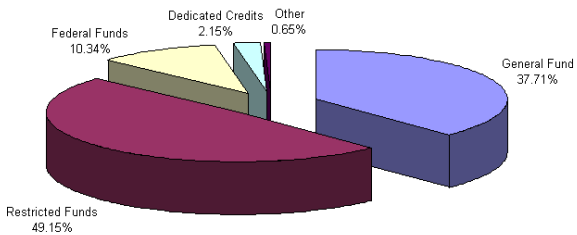
Marty Ott
Kane, Garfield, Piute, Sevier, Sanpete and
Wayne counties

Joseph Hull
Davis, Morgan and Weber counties

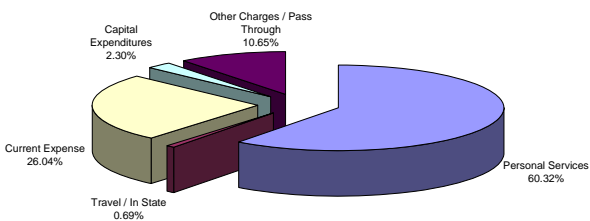
Wendy Griffith
Secretary
801-538-7418

FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE \$31,180,877



EXPENDITURES \$31,180,877



Above: Utah State Parks offers ATV training for the Uintah County Sheriff's Department. This partnership helps provide safety, education, training and cooperative enforcement. Photographer: Mike Murray

2007/2008 HIGHLIGHTS

- Utah State Parks was named among the top three state park systems in the nation for excellence in public and private partnerships, long-range planning, resource management, preservation and technological integration.
- Our partnership with the Bureau of Reclamation helped develop new and renovate existing facilities at East Canyon State Park.
- Last year, nearly 5 million visitors discovered beauty and history in Utah's 43 state parks and museums.
- Utah families explored parks on foot, by boat and ATV, and through binoculars as part of our Children in Nature Rockin' Utah program, an initiative to get children and their families excited about the great outdoors.
- In partnership with the Utah Office of Tourism and the Department of Health, Utah State Parks launched Walk In The Park, a series of active walking programs encouraging healthy lifestyles.
- Our year-long 50th anniversary celebration came to a close with commemorative events statewide.
- With input from our community partners, Resource Management Plans were completed for Flight Park State Recreation Area and Yuba State Park. Drafts in progress include: Anasazi, Rock Cliff at Jordanelle, Antelope Island, Wasatch Mountain and Sand Hollow state parks.
- Our off-highway vehicle and personal watercraft education programs are committed to the safety of all riders and operators. These programs certified more than 5,000 Utah children over the past year.
- Our partnership and marketing efforts continue with private businesses, counties, travel bureaus and other state agencies.

SERVICES AND FUNCTIONS

Manages Utah's state park system, which includes operations, planning, and protection of heritage, scenic and recreation parks.

Planning and Development

Guides short and long-term site management to protect and interpret each park's natural and cultural resource base, ensure safe and enjoyable visitor experiences, provide for new visitor opportunities and develop and enhance facilities to meet visitor needs.

State Boating Act

Administers the State Boating Act on Utah waters, which includes safety, education, search and rescue and enforcement.

Off-Highway Vehicles

Administers summer and winter off-highway vehicle programs, including education, trail maintenance, grant programs, user compliance, accident investigation and search and rescue.

State Trails Program

Protects, interprets, develops and maintains recreational trail resources within state parks, and provides coordination, funding and technical assistance on statewide trail projects.

Grant Programs

Administers Land and Water Conservation Fund, non-motorized and motorized trails grant programs.

REGIONAL OFFICES

NORTHEAST REGION

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Heber City, UT 84032-0003
435-649-9109

NORTHWEST REGION

Jay Christianson, Region Manager

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801-533-5127

SOUTHEAST REGION

Tim Smith, Region Manager

1165 S Highway 191, Suite 7
Moab, UT 84532-3062
435-259-3750

SOUTHWEST REGION

Larry Gray, Region Manager

585 N Main Street
Cedar City, UT 84720-2643
435-586-4497

STATE PARKS AND MUSEUMS

ANASAZI STATE PARK MUSEUM

Mike Nelson, Park Manager
435-335-7308

ANTELOPE ISLAND STATE PARK

Ron Taylor, Park Manager
801-773-2941

BEAR LAKE STATE PARK

Richard Droesbeke, Park Manager
435-946-3343

CAMP FLOYD/STAGECOACH INN STATE PARK & MUSEUM

Mark Trotter, Park Manager
801-768-8932

CORAL PINK SAND DUNES STATE PARK

Michael Franklin, Park Manager

435-648-2800

DEAD HORSE POINT STATE PARK

Lee Sjoblom, Park Manager
435-259-2614

DEER CREEK STATE PARK

Rick Redmon, Park Manager
435-654-0171

EAST CANYON STATE PARK

John Sullivan, Park Manager
801-829-6866

EDGE OF THE CEDARS STATE PARK MUSEUM

Teri Lyn Paul, Park Manager
435-678-2238

ESCALANTE PETRIFIED FOREST STATE PARK

Kendall Farnsworth, Park Manager
435-826-4466

FLIGHT PARK STATE RECREATION AREA

Bob Rosell, Park Manager
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FREMONT INDIAN STATE PARK & MUSEUM

Bob Hanover, Park Manager
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GOBLIN VALLEY STATE PARK

Eugene Swalberg, Park Manager
435-564-3633

GOOSENECKS STATE PARK

Teri Lyn Paul, Park Manager
435-678-2238

GREAT SALT LAKE STATE MARINA

Bob Rosell, Park Manager
801-250-1898

GREEN RIVER STATE PARK

Eugene Swalberg, Park Manager
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GUNLOCK STATE PARK

Laura Melling, Park Manager
435-628-2255

HISTORIC UNION PACIFIC RAIL TRAIL STATE PARK

Mountain Trails Foundation
435-649-6839

HUNTINGTON STATE PARK

Dan Richards, Park Manager
435-687-2491

HYRUM STATE PARK

Jeremy Shaw, Park Manager
435-245-6866

IRON MISSION STATE PARK MUSEUM

Todd Prince, Park Manager
435-586-9290

JORDAN RIVER OFF-HIGHWAY VEHICLE STATE PARK

David Wagner, Park Manager
801-533-5424

JORDANELLE STATE PARK

Mike Johnson, Park Manager
435-649-9540

KODACHROME BASIN STATE PARK

Aaron Farmer, Park Manager
435-679-8562

MILLSITE STATE PARK

Dan Richards, Park Manager
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OTTER CREEK STATE PARK

KayMar Willis, Park Manager
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PALISADE STATE PARK

Shon Tripp, Park Manager
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PIUTE STATE PARK

KayMar Willis, Park Manager
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QUAIL CREEK STATE PARK

Jon Wikan, Park Manager
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RED FLEET STATE PARK

Mike Murray, Park Manager
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ROCKPORT STATE PARK

Steve Hewson, Park Manager
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SAND HOLLOW STATE PARK

Laura Melling, Park Manager
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SCOFIELD STATE PARK

Dan Richards, Park Manager
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SNOW CANYON STATE PARK

Kristen Comella, Park Manager
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STARVATION STATE PARK

Mike Neally, Park Manager
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STEINAKER STATE PARK

Mike Murray, Park Manager
435-789-4432

TERRITORIAL STATEHOUSE STATE PARK MUSEUM

Gordon Chatland, Park Manager
435-743-5316

THIS IS THE PLACE HERITAGE PARK

Matt Dahl, Private Foundation Director
801-582-1847

**UTAH FIELD HOUSE OF NATURAL HISTORY STATE
PARK MUSEUM**

Steve Sroka, Park Manager
435-789-3799

UTAH LAKE STATE PARK

Ty Hunter, Park Manager
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WASATCH MOUNTAIN STATE PARK

Bruce Strom, Park Manager
435-654-1791

WILLARD BAY STATE PARK

Roland Bringhurst, Park Manager
435-734-9494

YUBA STATE PARK

Jeff Rasmussen, Park Manager
435-758-2611



Above: These sailing events at Deer Creek State Park were made possible by a partnership with the Utah Summer Games, Comcast, IHC, KUTV and other partners. Photographer: Rick Redmon



Utah Division of Water Resources

MISSION STATEMENT

"Division of Water Resources plans, conserves, develops and protects Utah's water resources."



Above: This is the target site at a weather modification research project above Fairview on the Wasatch Plateau. This picture was taken in the early winter looking toward the west-southwest. This project was funded by the US Bureau of Reclamation. Photo Credit: Jim Heimbach Submitted by: Todd Adams

Utah Division of Water Resources

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Left to Right: Todd Adams, Geralee Murdock, Eric Millis, Terri Jackson, Dennis Strong and Randy Staker

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Terri Jackson - Budget Officer

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Randy Staker - Accountant

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DIVISION DIRECTOR'S MESSAGE



"In December 2007, the Seven Colorado Basin States of Arizona, California, Colorado, Nevada, New Mexico, Utah and Wyoming, and the US Bureau of Reclamation reached a Final Agreement on the Coordinated Operations of Lake Powell and Lake Mead and on the Shortage Guidelines. For the first time since 1922 all

seven basin states reached agreement on the management of the Colorado River.

The agreement adopts four key elements of river management: First, the new guidelines establish rules for shortages - specifying who will take reductions and when they take them. This is essential for prudent water planning in times of drought. Second, the new operational rules for Lake Powell and Lake Mead will allow these two massive reservoirs to rise and fall in tandem, thereby better sharing the risk of drought. Third, the new guidelines establish rules for surpluses, so that when we are blessed with ample runoff we will have rules in place to distribute the extra water. Fourth, the new rules will address the ongoing drought by encouraging new initiatives for water conservation.

Together, these guidelines put the entire basin in a much better position to deal with the impacts of both wet cycles and dry cycles, droughts and surpluses. Through these guidelines, the states also commit themselves to address future controversies on the Colorado River through consultation and negotiation - as an absolute requirement - before resorting to litigation.

The agreement will be in force until the end of 2025 and provides a period of relative peace on the river; a time in which Utah will be able to develop facilities to put to use its Colorado River Compact allocation. In 50 or 100 years from now, the people of the basin will look back on 2007 in the same way they do on 1922. This is truly an historic agreement."

Dennis Strong - Division Director

BOARD OF WATER RESOURCES

Blair R. Francis, Chair

Box Elder, Cache, Rich counties

Craig E. Johansen, Vice-Chair

Carbon, Emery, Grand, San Juan counties

Paul McPherson

Utah, Juab, Wasatch counties

D. Brad Hancock

Daggett, Duchesne, Uintah counties

Ivan W. Flint

Weber, Davis, Morgan, Summit counties

Harold Shirley

Beaver, Garfield, Iron, Washington, Kane
counties

Robert D. Bessey

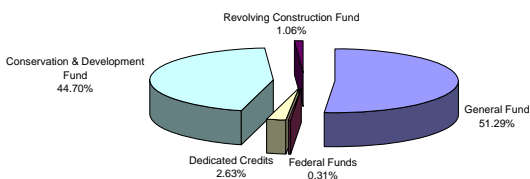
Millard, Sanpete, Sevier, Piute, Wayne counties

J. Stewart Paulick

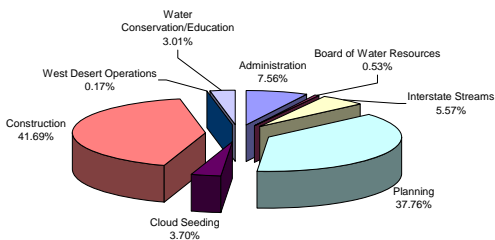
Salt Lake, Tooele counties

FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE \$5,693,982



EXPENDITURES \$5,693,983



2007/2008 HIGHLIGHTS

- The board and division continued preconstruction activities on the Lake Powell Pipeline and Bear River Development projects.
- The Board of Water Resources loaned \$24.8 million to 17 water projects.
- Four dam safety compliance grants were given totaling \$11.8 million, and three bond insurance grants were given totaling \$294,000.
- Published the 2005 Water Supply and Uses reports for the Utah Lake, Sevier River, Kanab Creek/Virgin River, Great Salt Lake, Uintah, Bear, and Cedar/Beaver basins.
- Published the land use inventories for Weber and Uintah basins.
- The Secretary of the Interior signed the Record of Decision that creates "Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead".

SERVICES AND FUNCTIONS

Development and Conservation Funds

The Board of Water Resources administers three state water development and conservation funds.

Technical Assistance

Provides technical water development and planning assistance to Utah water users.

Water Planning

Maintains the State Water Plan that describes Utah's current and long-term water related needs. Inventories municipal and industrial water use and water related land use. Performs water use studies.

Computer Applications

Develops Geographic Information System applications, water demand/supply and hydrologic models.

Interstate Streams

The division director is Utah's interstate streams commissioner helping defend and protect Utah's right to develop and use its entitlements in the Colorado, Bear and Columbia rivers.

Cloud Seeding

Promotes cloud seeding to augment natural snow pack.

Water Education/Conservation

Works with local water agencies, individuals and professional groups in developing and implementing water conservation programs to reduce per capita water use in Utah by at least 25 percent before 2050. Develops and distributes water education instructional materials to teachers and students in Utah's public schools.



Utah Division of Water Rights

MISSION STATEMENT

"Division of Water Rights promotes order and certainty in administering the beneficial use of Utah's water."



Photographer: Bret Dixon

Utah Division of Water Rights

1594 W North Temple, Suite 220

PO Box 146300

Salt Lake City, UT 84114-5703

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www.waterrights.utah.gov



Front: Boyd Clayton, Jerry Olds, Kaelyn Anfinzen Back: Lee Sim, David Marble, Matt Lindon, Kent Jones

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DIVISION DIRECTOR'S MESSAGE

"In the 2008 legislative general session there were 26 bills introduced regarding water and 14 of these bills dealt with



water right issues. Eight of the 14 bills passed and several have significant impacts on the operations of the Division of Water Rights. It is believed that several of these bills will have far reaching ramifications on water rights administration and it will take a number of years to see the ultimate affects. The division has worked hard to implement these new statutes and is committed to move

forward with the new policies adopted by the legislature.

Utah continues to experience some of the highest growth rates in the nation. This economic and population growth has a direct correlation to our demand for water. The available water supplies in many river basins are fully appropriated and any new water use must be covered from an existing water use. These fully appropriated basins are closed to new appropriations of water and thus an existing water right must be purchased to accommodate a new water use. In some areas we have seen the monetary value of water increase tenfold over the last several years. The rapidly increasing value of water is bringing into focus water right policies and procedures, which have been accepted for many years, but in the current environment are considered contrary to the expedited processing, reduced cost and certainty the water community is seeking.

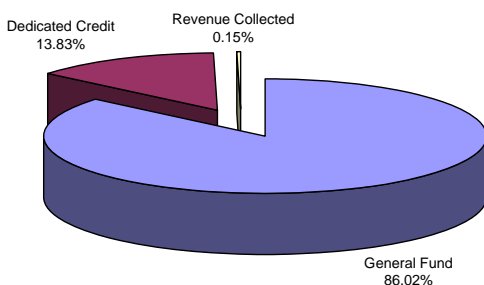
The mission of the Division of Water Rights is to provide order and certainty in the beneficial use of Utah's water resources. Because of Utah's limited water supplies and an ever-increasing water demand, it is imperative that we have a reliable and effective water rights management system that protects the rights of individuals and promotes the best public interest in the administration and management of this valuable resource. The division appreciates the continued support from administration, water community and legislature in carrying out this mission."

Jerry Olds – State Engineer/Division Director

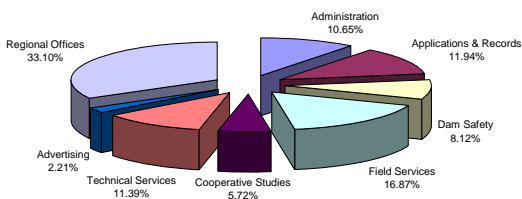


FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE \$8,790,000



EXPENDITURES \$8,265,000



2007/2008 HIGHLIGHTS

- Public inquiry section reorganized under direction of John Solum.
- Application processing backlog in Applications and Records decreased substantially.
- Backlog of elections in Vernal greatly reduced.
- Title processing streamlined to eliminate backlog and reduce average processing time.
- Public meetings toward defining a groundwater management plan for the Beryl/Enterprise area were held.
- Funding secured to reduce proof backlog, staff hired, changes implemented to improve quality of proofs.
- Adjudication published Tooele and Bear River books.
- Automated diversion reporting added for Green River, Beryl/Enterprise, Upper and Lower Jordan, and the Provo River. Realtime streamgages added in Snyderville Basin.
- Process proposed to clarify sole supply for change application processing.
- Computer application developed which greatly simplifies viewing of water right which shows points of diversion and places of use all on one online mapping application.
- 41 enforcement referrals received, 19 processed for agency action, two actions finalized by consent order.
- In 2007-2008 the division acted on:
 - 623 Applications to Appropriate
 - 1,452 Change Applications
 - 135 Exchange Applications
 - 258 Nonuse Applications
 - 1,402 Extension Requests
 - 858 Certificates of Beneficial Use
 - 222 Stream Alteration Permits
 - 4,932 Reports of Conveyance

SERVICES AND FUNCTIONS

Water Right Applications (Kent Jones)

Process water right applications and maintain permanent records for all water rights in state. Assist the public to access water right information and complete application forms required by the agency.

Distribution and Measurement of Water (Lee Sim)

Oversee 57 water commissioners representing 48 systems where the agency is directly involved in the daily distribution of water among water right holders.

Adjudication (Teresa Wilhelmsen)

Present to the district court a proposed determination of water rights within hydrologic areas of the state where such investigations have been ordered by the court and obtain an adjudication order decreeing those water rights.

Dam Safety (Dave Marble)

Physically inspect and monitor operation of approximately 300 public and private dams, approve new dam construction, consult and approve dam upgrades and intervene in emergencies. Inspections and monitoring efforts are based on each dam's hazard rating for potential loss of life and property.

Stream Channel Alterations (Charles Williamson/Daren Rasmussen)

Process permits to alter the banks or bed of natural streams under terms of the Utah Code and a general permit from the US Army Corps of Engineers.

Geothermal (John Solum)

Process permits to use geothermal resources in the state. Inspect facilities and monitor pressure tests.

Well Drilling Regulations and Licensing (Jim Goddard)

Oversee licensing and regulation of water well drillers in the state.

Water Resources Studies (Matt Lindon)

Collect water resources data for surface, groundwater and use of water throughout the state. Perform studies to determine water availability and management alternatives. Support the integration of data automation technology in operations of the agency.

Enforcement (Kerry Carpenter)

Administer the division's water rights, dam safety and stream alteration enforcement program as authorized by statute and administrative rule. Investigate violations of Utah water right law and initiate actions which encourage compliance.

REGIONAL OFFICES

NORTHERN REGIONAL OFFICE

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WEBER/WEST DESERT REGIONAL OFFICE

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UTAH LAKE/JORDAN RIVER REGIONAL OFFICE

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SOUTHEASTERN REGIONAL OFFICE

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EASTERN REGIONAL OFFICE

Bob Leake, Regional Engineer
State and County Building
152 E 100 N
Vernal, UT 84078-2126
435-781-5327
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Utah Division of Wildlife Resources

MISSION STATEMENT

"Division of Wildlife Resources serves the people of Utah as trustee and guardian of the state's wildlife."



The 20th annual Salem Pond fishing event gave children with special needs the opportunity to fish. The Division of Wildlife Resources has been a major partner in this event since it began. Photographer: Scott Root

Utah Division of Wildlife Resources

1594 W North Temple, Suite 2110

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Salt Lake City, UT 84114-6301

801-538-4700

801-533-4709 (fax)

www.wildlife.utah.gov



Left to right: Jim Karpowitz, Becky Johnson, Robin Thomas, Cindee Jensen, Thu Vo, Dean Mitchell, Alan Clark

EXECUTIVE TEAM

Jim Karpowitz - Director

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Dean Mitchell - Conservation Outreach Section Chief

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Becky Johnson - Administrative Secretary

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Thu Vo - Executive Secretary

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DIVISION DIRECTOR'S MESSAGE

Our agency is successful because of its great employees and strong, enduring partnerships. Over the past year, we worked closely with a variety of government agencies, agriculture groups, conservation and sportsmens organizations, retailers, universities, private landowners and many others. Through these partnerships—and the support of the Utah State Legislature—we were able to:

- *Successfully reseed 147,000 acres that burned in the catastrophic Milford Flat fire. By the end of 2007, we rehabilitated more than 280,000 acres of fire-ravaged federal, state and private land.*
- *Launch a statewide public-awareness and enforcement effort to protect Utah's waters from destructive quagga and zebra mussels.*
- *Publicize a colorful, informative bear-safety campaign to raise awareness among Utah's campers, hikers and homeowners.*
- *Expand the scope and intensity of sage-grouse conservation and habitat projects. If successful, these efforts may prevent the greater sage-grouse from being listed under the Endangered Species Act.*
- *Reach out to thousands of new and lapsed anglers through the Take Me Fishing and Anglers' Legacy campaigns.*
- *Assist local law enforcement by relocating protected wildlife and ensuring public safety.*
- *Work with more than 350 retail organizations to generate more than \$20 million in license sales.*

Jim Karpowicz – Director



Above: Bighorn sheep ewes await transplant. The division performs transplants throughout the year with the cooperation of other government agencies and the support of many conservation and sportsmens organizations.



Left to right: Paul Niemeyer, Thomas Hatch, Ernie Perkins, Jim Karpowitz, Lee Howard, Del Brady, Rick Woodard, Keele Johnson

UTAH WILDLIFE BOARD

Paul Niemeyer, Chair

Richfield/Southern

Rick Woodard, Vice Chair

Provo/Central

Del Brady

Vernal/Northeastern

Thomas Hatch

Panguitch/Southern

Lee Howard

Salt Lake City/Central

Keele Johnson

Blanding/Southeastern

Ernie Perkins

Layton/Northern

Jim Karpowitz,

Executive Secretary

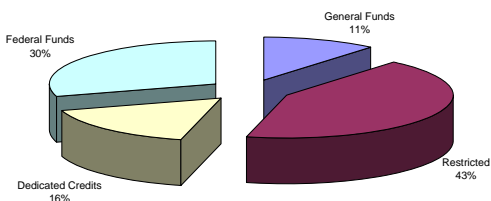
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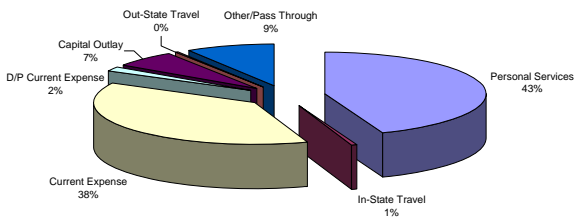
Above: Division of Wildlife Resources biologists handle a mountain goat after it was captured by net-gunning from a helicopter on the Tushar Mountains in Beaver County. The division partnered with the USDA Forest Service and Idaho Department of Fish and Game on this project. Captured goats received a health assessment and were fitted with radio collars and ear tags before being transported to establish new goat herds in Idaho and on Loafer Mountain in Utah County. Photographer: Scott Root

FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE
\$67,721,571



EXPENDITURES
\$67,721,571



2007/2008 HIGHLIGHTS

Administration

- Together, the division and the Utah Wildlife and Conservation Foundation (UWACF) have raised more than \$400,000 in financial and in-kind support for native Utah wildlife projects. The UWACF's board of directors has committed to continue working with the division to identify and fund projects that benefit native Utah wildlife.
- The division's marketing program has partnered with the Recreational Boating and Fishing Foundation to leverage the national *Take Me Fishing* and *Anglers' Legacy* campaigns. This partnership allowed the division to stretch its marketing dollars further and place an unprecedented number of radio, online and print ads aimed at increasing participation in fishing.
- The division has been working on a new Leadership Development Program for the past several years and will roll it out soon. The program will enhance the skills of employees already in leadership positions and help develop employees with leadership potential.

Administrative Services

- There are more than 350 retail stores that work with the division to sell hunting and fishing licenses. Those retail locations sell approximately 400,000 licenses statewide and account for more than \$20 million in sales. This partnership benefits everyone: the division receives the license-related revenue, while retailers expand their customer base and increase sales.

Aquatics

- The division is leading a multi-agency effort to keep quagga and zebra mussels out of Utah's waters. In early 2008, the Utah State Legislature passed a bill giving the division new regulatory and enforcement



Above: The aerial stocking program plants native Colorado River cutthroat trout in mountain fisheries. The division is working closely with other state and federal agencies on native cutthroat trout issues.

authority for invasive mussels. The legislature also provided \$1.4 million in ongoing funding that the division has used to implement a large-scale education and boat-decontamination program. The division is coordinating its work on the invasive mussel problem with the Utah Department of Natural Resources, Glen Canyon National Recreation Area, USDA Forest Service, US Fish & Wildlife Service and Colorado River Fish & Wildlife Council.

- Three hatchery reconstruction projects—Whiterocks, Midway and Springville—were either implemented or completed during the past year. The division worked closely with the Division of Facilities Construction and Management (DFCM) and received funding support from DFCM, the Utah State Legislature and the Utah Mitigation and Conservation Commission. Because of the reconstruction, the Whiterocks Hatchery alone will double its trout production to more than 100,000 pounds annually.
- Recently, Utah led a multi-state effort to identify the many programs implemented to preserve native cutthroat trout over the last several decades. This effort produced a detailed administrative record for Bonneville cutthroat that the division submitted to the US Fish & Wildlife Service in spring 2008 for their consideration to not list this native trout under the Endangered Species Act.
- In cooperation with Utah State Parks & Recreation and the Utah Angler's Coalition, the division developed a rule that makes it easier for small local fishing tournaments to proceed with minimal—or nonexistent—paperwork and expense. The same rule also allows State Parks & Recreation to hold fishing contests for local economic development. The Wildlife Board passed the new rule in November 2007.
- In early 2008, the division worked closely with Davis and Salt Lake counties to launch an experimental mosquito-control project. Now, the division is stocking least chub in local ponds to assess whether the fish can control mosquitoes. The least chub is a native, sensitive species under Utah's Wildlife Action Plan. This experiment offers an opportunity to expand populations of a native species using a unique management objective.



Above: Division biologists collect eggs from Bonneville cutthroat trout.

Conservation Outreach

- In early 2008, the division developed a colorful, creative and consistent set of bear-safety materials. The agency worked closely with the USDA Forest Service, whose campground hosts distributed the posters, brochures and placards during the 2008 camping season. Compared to the summer of 2007, the number of people/bear incidents has dropped dramatically.
- In March 2008, the division partnered with other Department of Natural Resources agencies to provide a Youth Outdoor Sports Fair at the International Sportsmen's Exposition (ISE). The youth fair featured more than 20 exciting activities for approximately 8,000 children who attended the exposition.
- Annually, the division partners with local officials, businesses and conservation organizations to host public watchable-wildlife events. This past year, thousands of

visitors attended the St. George Winter Bird Festival, Snow Goose Festival, Great Salt Lake Bird Festival, Kokanee Days, Hardware Ranch Elk Festival and Bighorn Sheep Festival.



Above: The youth fair at the International Sportsmen's Exposition (ISE) was a cooperative effort between the division and other Department of Natural Resources agencies. More than 8,000 children attended the youth fair.

- "Mountain Wilds to Wetland Wonders" is a school curriculum project partnership between the division's Hardware Ranch Wildlife Management Area and the Bear River Migratory Bird Refuge (run by

the US Fish & Wildlife Service). Working together, the agencies provide fun, hands-on outdoor education experiences that are tied to Utah's fourth grade core curriculum.

- The division partnered with numerous state and federal agencies, corporations, committees and other organizations to help publish *Field Guide to the Flaming Gorge-Uintas National Scenic Byway*. This 180-page guide provides readers with an in-depth look at natural resources and human history in northeastern Utah.

Habitat

- In FY 2007, the division-led Watershed Restoration Initiative and its diverse partners (i.e., government agencies, agriculture groups, conservation organizations, sportsmen's groups, private individuals and many others) completed more than 200 individual habitat-restoration projects at a cost of more than \$11 million. These projects restored more than 64,000 acres across 10 key types of habitat. The partnership has committed nearly \$16 million toward similar restoration efforts in FY 2008.
- By the end of the devastating 2007 fire season, the division led multi-agency restoration efforts on nearly 280,000 acres of federal, state and private land. Over half of that terrain—approximately 147,000 acres—was in the Milford Flat burn area. As part of this effort, the division's Great Basin Research Center stored, managed and custom mixed nearly 2 million pounds of seed, including more than 850,000 pounds of federally purchased seed for the Milford Flat area.
- The division partnered with its sister agency, Oil, Gas and Mining (OGM), to add wildlife expertise to the planning process for sustainable energy development in Utah. As part of this agreement, OGM funded the work of several biologists who helped energy companies and land-management agencies reduce unnecessary impacts to wildlife.

- The division's Utah Natural Heritage Program has developed a strong partnership with the US Fish & Wildlife Service (USFWS) to help monitor rare plants in the Uintah Basin. The USFWS now relies on division biologists to train its environmental contractors on appropriate survey methods for the basin's rare plants.
- The Roosevelt Game Farm was a "surplus property" (an area that no longer provided high-quality wildlife habitat). In May 2008, the division worked with the School and Institutional Trust Lands Administration to sell the game farm and its associated water shares. The sale proceeds—approximately \$610,000—will be reinvested to protect property that has significant value to wildlife.

Law Enforcement

- The division recently partnered with the Cache County Sheriff's office, allowing the county's field personnel to train at the division's shooting facility. A signed memorandum of understanding clearly defines how the two agencies will cooperate into the future.



Above: Conservation Officer Ray Loken serves as part of the Utah Division of Wildlife Resources' Honor Guard.

- In August 2007, several domestic cows in Strawberry Valley were shot with archery equipment. To help identify the perpetrators, several generous local businesses and nonprofit groups contributed a total of \$11,000 in reward money. This money helped the division apprehend the individuals, who were eventually convicted.
- In late 2007, the National Wild Turkey Federation and the division partnered to provide a continuing education course on hunting wild turkeys in Utah. There were approximately 100 attendees, and each one received a DVD on safe and effective turkey hunting.

Wildlife

Avian Program

- The division has a long-standing joint partnership with the US Bureau of Land Management (BLM) and USDA Forest Service (USFS) for non-game avian monitoring and assessment projects. The funding for this partnership is typically a 50:50 cost-share allocation of state and federal dollars. The efforts expended on this project over several years would not have been possible without the partnership.
- The division recently partnered with the US Fish & Wildlife Service to assess Utah's peregrine falcon population against the goals outlined in the species recovery plan. The assessments will take place over a five-year period and will focus on updating data about Utah's nesting population of peregrines.

- The division is launching an effort with Utah sportsmens groups to establish a voluntary, non-lead ammunition distribution program. As part of this effort, we are working closely with Arizona Game & Fish, hoping to learn from their program and achieve the same success.

Big Game

- The division benefits from tight alliances with many conservation and sportsmen's organizations, including the Foundation for North American Wild Sheep, Mule Deer Foundation, Rocky Mountain Elk Foundation, Sportsmen for Fish & Wildlife and Utah Bowmen's Association. These partnerships help the division—and specifically the Big Game program—financially and politically. When the division's partners successfully market their allotted big game permits, most of the proceeds come back into the program to help manage big game species. These groups also have political clout and are willing to lobby for legislation that helps big game.



Above: The division partners with cities, golf courses and homeowners' associations to remove nuisance geese.

Mammals

- A close partnership with the Western Association of Fish and Wildlife Agencies helps the division collect data and address range-wide issues facing sensitive mammal species. This cooperation has been beneficial in precluding petitions to have Gunnison's prairie dogs listed under the Endangered Species Act, and data are currently being collected to respond to a petition to list white-tailed prairie dogs.
- Over the past several years, the division has worked closely with the Utah Trappers Association and many Utah houndsmen. Strong relationships with these groups have been beneficial as the agency drafted management recommendations for black bears, cougars and furbearing animals. These partnerships will continue to be important as the division revises statewide management plans for cougars and black bears over the next two years.

Migratory Game Birds

- Due to the nature of migratory game birds, management actions must be coordinated among numerous agencies in order to be effective. The Flyway system meets this need, providing the process that state and federal agencies use to collectively develop migratory game bird management plans and harvest regulations. Twice a year, the 11 western states meet with the federal governments of the US and Canada to coordinate management actions. Input from outside organizations and private citizens is also encouraged in this partnership-based process.

Private Lands/Public Wildlife

- Some of the division's best partners are private landowners. Private landowners can choose to work with the division through several programs: Cooperative Wildlife Management Unit program, Landowner Association program and Walk-in Access program. All of these programs provide incentives to landowners to preserve key habitat and conserve wildlife.

Upland Game

- The National Wild Turkey Foundation continues to be a great partner to the division and an asset to turkey management in Utah. They fund many turkey-related projects and management activities and also provide political and public support for wildlife management.
- The Utah Chukar Foundation is a group of sportsmen who are passionate about upland game and chukars. They are politically active and also provide volunteers and monetary assistance to the division for upland game activities and habitat projects.
- The Nature Conservancy is an active partner in upland game conservation. They helped facilitate a private land easement in the South Cache area that has focused attention and built support for Columbian sharp-tailed grouse. They have also been active in easement efforts for sage-grouse.

Wildlife Disease Program

- The division works closely with the Utah Department of Agriculture & Food on disease issues and on monitoring for diseases that may affect both wildlife and domestic animals. This partnership helps prevent the introduction of infectious disease to both wildlife and livestock.
- Working closely together, the division, Utah Department of Health and local health departments monitor and search for vector-borne diseases that may affect human health. In addition to monitoring animals' health, this partnership has produced public-safety recommendations on diseases such as West Nile virus and rabies.
- The division has formed a working relationship with both Wildlife Services and the US Animal and Plant Health Inspection Service—Veterinary Services (APHIS-VS). Together, the agencies monitor for diseases—such as avian influenza and chronic wasting disease—that may affect wildlife, domestic livestock or human health.
- Monitoring avian populations is a large part of the division's partnership with the US Fish & Wildlife Service. The agencies investigate mortality and morbidity events in waterfowl,



Above: The division partnered with the Swaner Nature Preserve on a Columbian spotted frog repatriation effort.

checking for avian influenza, avian botulism, cholera and other diseases that can devastate avian populations.

SERVICES AND FUNCTIONS

Certificates of Registration

Issues licenses and certificates of registration to falconers, private pond owners and people who wish to own exotic pets.

Community Fisheries Program

Partners with local governments to provide urban and community fishing opportunities for Utah youth and families statewide. Offers fishing classes for urban youth.

Dedicated Hunter Program

Provides additional hunting opportunities for Utah deer hunters who perform volunteer service benefiting wildlife.

Fisheries Experiment Station

Monitors Utah's wild fish populations and the division's fish hatcheries. Provides hatcheries with disease assessment and treatments.

Hatcheries

Owns and operates 11 state fish hatcheries.

Hunter Education

Trains young adults in the safe handling of firearms and is a prerequisite to purchasing a hunting license. The Lee Kay Center for Hunter Education (801-972-1326) and the Cache Valley Hunter Education Center (435-753-4600) provide Hunter Education courses and public shooting ranges.

Licenses

Sells hunting and fishing licenses.

Natural Heritage Program

Identifies and monitors sensitive plant and animal species, and maintains a database for making natural resource decisions.

Project WILD

Administers Project WILD, a wildlife education program that trains teachers, resource agency personnel, home school educators, scout leaders and other youth group leaders how to teach children about wildlife and the environment.

Publications

Produces online publications such as *Wildlife News* and *Wildlife Review* that feature news and information for hunters, anglers and others. Also publishes guidebooks that summarize hunting, fishing and trapping regulations.

Radio Show

Produces a weekly radio show, "Discover Utah Wildlife," broadcast on many stations throughout the state.

Volunteer Program

Supplements division programs while providing Utah's public an opportunity for hands-on experiences with wildlife biology, habitat restoration and education.

Web Site (www.wildlife.utah.gov)

Provides many online services. Customers may buy hunting and fishing licenses and get a wealth of information about wildlife and wildlife-recreation opportunities.

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John Fairchild, Regional Supervisor
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**NORTHEASTERN REGION
(VERNAL)**

Kevin Christopherson, Regional Supervisor
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**NORTHERN REGION
(OGDEN)**

Ron Hodson, Regional Supervisor
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**SOUTHEASTERN REGION
(PRICE)**

Bill Bates, Regional Supervisor
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**SOUTHERN REGION
(CEDAR CITY)**

Doug Messerly, Regional Supervisor
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DNR 24/7

The Department of Natural Resources, like other Utah State agencies, began the 'Working 4 Utah' initiative on August 4, 2008.

This means that all department offices, including our division offices, have extended service hours from 7:00 a.m. to 6:00 p.m., Monday through Thursday. Business offices are closed on Friday. For your convenience, many department services are available online for easy access at anytime of the day. Essential field services, like law enforcement and park operations, continue to operate as usual.



As Governor Huntsman said, "We will conserve energy, save money, improve our air quality and enhance customer service."

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Department Website

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Earthquake Awareness

<http://geology.utah.gov/utahgeo/hazards/index.htm>

Employment

<http://nr.utah.gov/adm/admhr.htm>

Hunter Safety

<http://wildlife.utah.gov/huntereducation>

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<http://secure.utah.gov/hflo2/hflo>

Lone Peak Conservation Center

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Water Conservation

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Water Right Records

<http://www.waterrights.utah.gov/wrinfo/query.asp>

Utah Department of

NATURAL RESOURCES

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Salt Lake City, UT 84115-5610

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Utah Geological Survey

MISSION STATEMENT

"Utah Geological Survey provides timely scientific information about Utah's geologic environment, resources and hazards."



Above: Mike Vanden Berg, UGS, and Military personnel work together to raise a 50 meter anemometer tower at Camp Williams. Photographer: Jason Berry

Utah Geological Survey
1594 W North Temple, Suite 3110
PO Box 146100
Salt Lake City, UT 84114-6100
801-537-3300
801-537-3400 (fax)
<http://geology.utah.gov/>



Left to Right: Rick Allis, Kimm Harty, Dianne Davis, John Kingsley

EXECUTIVE TEAM

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Kimm Harty - Deputy Director/Legislative Liaison

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John Kingsley - Associate Director

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Dianne Davis - Administrative Secretary

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DIVISION DIRECTOR'S MESSAGE

*"Being largely an
information agency, the
Utah Geological Survey*

*plays an important role working with local, state and federal
governments, industry and the public. We gather and
interpret geologic and energy information, and put
considerable effort into distributing scientific results and
advice to our many partners."*

Rick Allis – State Geologist/Director

BOARD OF THE UTAH GEOLOGICAL SURVEY

Geoffrey Bedell, Chair

Jack Hamilton, Vice-chair

Kenneth Puchlik, Minerals, Industrial

Mark D. Bunnell, Minerals, Coal

Alisa Schofield, Public-at-large

David Simon, Engineering Geology

Stephen Church, Minerals, Oil & Gas

Kevin Carter, Ex-officio

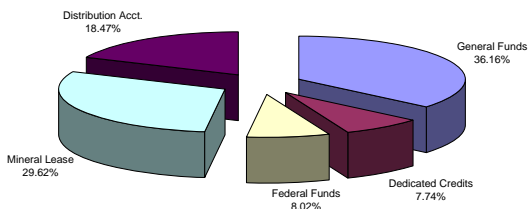


Above: UGS Board Members on field trip to Kennecott Bingham Canyon Mine.

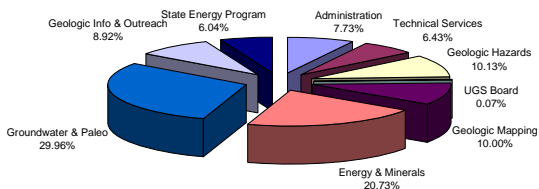
*Left to right: Tom Faddis, Dave Simon, Ken Puchlik, Alisha Schofield, Mark Bunnell,
Geoff Bedell, Stephen Church Not shown: Dave Simon*

FISCAL YEAR ENDING JUNE 30, 2008 (Unaudited)

REVENUE \$11,633,051



EXPENDITURES \$9,552,188



2007/2008 HIGHLIGHTS

Ground Water and Paleontology Program

- As a result of funding allocated by the Utah State Legislature, the program continued installing a ground-water monitoring-well network in the Snake Valley area of Utah's west desert. Currently the monitoring network consists of 36 wells at 14 sites; many of the sites have multiple wells completed at different depth intervals. Over the next year, additional monitoring wells will be added to the network, several pump tests will be carried out, and some monitoring facilities will be installed near springs. The network is in response to proposed water-development projects in east-central Nevada and west-central Utah. The objective is to improve understanding of the ground-water flow systems and resources in Utah's west desert, characterize baseline ground-water levels and chemistry, and monitor future changes in these parameters.
- Discovered and recovered several new species of dinosaurs from several sites in the Yellow Cat Member of the Cedar Mountain Formation in Grand County, including the Crystal Geyser, Doelling's Bowl, and Andrew's site localities, as part of a Discovery Channel contract.

Geologic Hazards Program

- Chaired the Governor's Geologic Hazards Working Group to develop recommendations and a long-term plan to reduce losses from geologic hazards, prompted by damages caused by landslides in 2005-06.



Above: Investigation of history of movement of Brigham City segment of Wasatch Fault exposed in trench. Left to right: Rich Briggs (USGS), Greg McDonald (UGS), Steve Personius (USGS), and Tony Crone (USGS). Photo credit: Chris DuRoss.

- Worked closely with the US Geological Survey and others to evaluate active faults in Utah and prepare detailed seismic-hazard maps for the Wasatch Front.

Energy and Minerals Program

- Continued work on unconventional energy resources in Utah by publishing an annotated bibliography of Utah tar sand deposits (UGS Open-File Report 503), and a temperature-depth monitoring study of the Newcastle geothermal system (UGS Report of Investigation 258).
- Published updated information on Large Permitted Mines in Utah (UGS Open-File Report 515).
- Published the second part of a reservoir characterization study of the Cretaceous Cedar Mountain-Dakota Formations of the southern Uinta Basin of Utah (UGS Open-File Report 516).

Geologic Information and Outreach Program

- Ran Earth Science Week in Utah for 685 students and teachers.
- Coordinated geologic sign content for and dedicated Salt Lake County's GK Gilbert Geologic View Park.
- Tracked 7,400 public inquires answered by UGS.

State Energy Program

- Received support from Questar and Rocky Mountain Power to conduct 30 days of energy codes training at locations across the state.
- Drafted and promulgated rules for administering Utah's Public School Energy Efficiency Zero-interest loan program.
- Awarded \$60,000 in grant funds to local government agencies and universities for on-site renewable energy projects.



Above: SEP Staff raising a 20-meter anemometer tower with help of local landowner and his family.

Mapping Geology Program

- Published 21 geologic maps.
- Received large federal contract to conduct geologic mapping in Provo, Rush Valley and several other areas of the state in FY08.



Above: UGS geologist Bob Biek examines 26-million-year-old volcanic rocks on Brian Head near Cedar Breaks National Monument while doing mapping funded through STATEMAP federal-state cooperative geologic mapping program.

SERVICES AND FUNCTIONS

Public Inquiry

Provides information on Utah geology and geologic issues to governments, educators, industry and the public. Offers instruction to teachers on aspects of geology.

Natural Resources Map & Bookstore

Offers selection of publications and maps on Utah geology and other natural resource topics. Maintains an inventory of topographic maps for all of Utah and parts of surrounding states.

Core Research Center

Maintains facilities to store, examine and loan out well cutting and core, petroleum, coal and geologic samples from Utah. Provides core photography, slabbing and plug preparation, as well as data searches and workshops.

Web Site

Provides access to information, databases and bibliographies on 1) energy and mineral resources, 2) geothermal wells and springs, 3) abandoned coal mine maps, 4) oil and gas fields and wells, 5) geophysical well logs, 6) geologic maps and hazards, 7) landslide history, 8) anemometer wind data and 9) downloadable Utah topographic, geologic, GIS, wind, hazards, water, energy, old mine maps, and more.

Geologic-Hazard Assistance

Assists governments in responding to geologic-hazard emergencies. Reviews geologic-hazard reports for local governments and school districts. Investigates geologic

hazards and prepares geologic-hazards maps for local governments.

Water Resource/Environmental Evaluations

Evaluates ground-water resources. Protects drinking water supplies by investigating environmental impacts of waste disposal and storage and treatment facilities for state, federal, local governments and agencies.

Energy and Mineral Evaluations

Investigates and provides energy and mineral resource information on county, state or federal lands to individuals as well as local, state and federal agencies.

Paleontological Services

Evaluates paleontological sites. Excavated critical fossils in danger of destruction. Issues paleontological excavation permits.



Above: An important new ceratopsian dinosaur is revealed to an interested crowd of school children and media representatives by State Paleontologist James Kirkland and Don DeBlieux, the dinosaur's discoverer, during Earth Science Week at the Utah Core Research Center. photo credit: Tom Dempster

Industry Cooperatives

Oversees improved oil recovery research projects in the Uinta and Paradox basins that have significant local and national application.

Energy Efficiency/Renewable Energy

Anemometer Loan Program: Loans towers and instruments for wind measurement to assess wind resources in potential wind energy areas. Assesses wind resources on state-owned lands in promising areas.

Energy Education: Provides public information on energy efficiency and renewable energy; manages statewide working groups on solar, wind, geothermal and energy efficiency; provides training on energy building codes for builders and designers.

Administers the zero-interest loan program for energy efficiency projects in public schools (up to \$250,000) and certifies applications for Utah's Renewable Energy Tax Credit.

REGIONAL OFFICE

SOUTHERN UTAH REGIONAL OFFICE

William Lund

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Above: Matt Affolter, UGS, logs cuttings produced as a US Geological Survey crew drills one of more than 30 new monitoring wells for UGS's West Desert Ground-Water Monitoring Program. Photo by J. Lucy Jordan

DNR 24/7

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